

No. IV-21011/7/2010-Prov-I
Government of India
Ministry of Home Affairs

26, Man Singh Road, Jaisalmer House,
New Delhi, 1.7.2010

To

11/06 *R.B.No - 16/09*
07/01/10 *05/07* *16/09*
The DGs: Assam Rifles/BSF/CISF/CRPF/ITBP/NSG/SSB/BPR&D

Subject: - Specifications of various Medical/Hospital Equipments -regarding

Sir,

The Specifications for the following Medical/Hospital Equipments have been accepted and approved by the Competent Authority in MHA and the same are enclosed for information and Record:-

- 1) Glycosylated Hb Automatic Reader-Annex-A
- 2) Infant Open Care System-Annex-B
- 3) Refraction Unit-Annex-C
- 4) Auto Refractor-Annex-D
- 5) Embalming Machine-Annex-E
- 6) Oxygen Concentrator-Annex-F
- 7) Automated S. Electrolyte Reader-Annex-G
- 8) Dental Chair-Annex-H
- 9) Anaesthesia Work Station-Annex-I

2. Henceforth, all the CPMFs should procure the above items required by them strictly as per the laid down Specifications.

Yours faithfully,

(S.B.Nanda)

Under Secretary to the Govt. of India

Encls: as above *alc*

Copy to:-

DD(Procurement),MHA

Copy for information to:-

PS to JS(PM),MHA

Technical Specifications for Electrolyte Analyser

1. It should be able to assess Sodium/ Potassium /Chloride levels
2. Should be simple with minimal easy- to-use operation buttons
3. Should have facility for Automatic calibration after every 4 hours
4. Automatic Probe wiper should be part of the equipment to eliminate risk of contact with potentially bio-hazardous samples
5. Require sample volume of only 100 ul for whole blood, Serum or Plasma and 400 ul for pre diluted Urine samples.
6. Modular Electrodes should be easy to install and replace
7. Parameters and Measuring range – Blood – Na⁺ : 20 -200mmol/L, K⁺: 0.2 – 40mmol/L, Cl⁻ : 25-200mmol/L
Urine- Na⁺ : 25-1000mmol/L, K⁺: 1.0-500mmol/L. Cl⁻ : 25-500mmol/L
8. Sample Type: Whole Blood, Serum, Plasma or Urine
9. Reproducibility (within run, n-20)

Blood, Serum, Plasma – Na⁺: CV 1% (80-200mmol/L),
K⁺: CV 2% (1.0-10.0mmol/L), Cl⁻ : CV 2%(80-200mmol/L)
Urine - Na⁺ : CV 5% (80-200mmol/L), K⁺: CV 5%(1.0-10.0mmol/L), Cl⁻ : CV 5% (80-200mmol/L)
10. Analysis time: Less than 1 minute for blood and less than 2 minutes for Urine
11. Data Storage: At least 100 patient results, 20 normal QC results, 20 abnormal QC results.
12. Should have facility to upgrade to optional automate sample loader attachment.

Optional:

1. Sample Loader should have a capacity to accommodate upto 20 routine samples, 1 normal QC, 1 abnormal QC and 1 Stat sample and delivers a throughput of upto 180 tests/hr.

(Signature)
 (Dr. N.K. Bhambrani)
 IG(Med), Referral Hospital
 Presiding Officer

(Signature)
 27/11/09
 (Dr. Rohit Kumar)
 CMO, BSF
 Member, BSF

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 (Dr. D.K. Verma)
 SMO, ITBP
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 (Dr. B.R. Nigam)
 CMO (SG), SSB
 Member, SSB

(Signature)
 27.11.09
 (Dr. Manisha Garg)
 CMO, Pathologist, ITBP
 Co-opted Member

Technically Approved/ Not approved

(Signature)
 27/11/09
 ADG (Medical), CPME